BB BB BB BB BB BB BB BB BBBBBBBB BBBBBBB	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$
11 11 11		\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$\$ \$\$ \$\$ \$\$ \$\$
		\$\$ \$\$\$\$\$\$ \$\$\$\$\$\$ \$\$ \$\$ \$\$
		\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$

AAAAA YY YY YY 88 88 88 88 \$\$\$\$\$\$ \$\$\$\$\$\$

MODULE BAS\$SYS (IDENT = '1-014'

! RSTS SYS Function ! File: BASSYS.B32 Edit: PL1014

BEGIN

1 *

.

.

1 *

. .

. ! *

! * .

! *

! *

! *

.

! * ! *

.

1 .

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FACILITY: VAX-11 BASIC RSTS COMPATABILITY

ABSTRACT:

This module contains the RSTS-compatable SYS function. Some of the more complex functions do calls to BPA routines.

ENVIRONMENT: VAX-11 User Mode

AUTHOR: John Sauter, CREATION DATE: 01-0CT-1979

1-010 - Add setting priority. JBS 04-DEC-1979

MODIFIED BY:

1-001 - Original. 1-002 - Define BPA\$A_HISEG as 0, to disable the checking for the end of the compatability-mode high segment, and allocate some global cells for ASSIGN/DEASSIGN. JBS 02-0CT-1979

1-003 - Instead of passing the XRB to the message send/receive code, pass the relevant fields of the XRB. Also, BPA\$_HISEG is no longer needed. JBS 04-0CT-1979

1-004 - Debug message send/receive. JBS 05-0CT-1979

1-005 - Continue debugging message send/receive. JBS 07-0CT-1979 1-005 - Continue debugging message send/receive. JBS 07-001-1979 1-006 - Fix some errors in calling terminal functions. JBS 12-0CT-1979
1-007 - Handle short parameter strings correctly. JBS 17-0CT-1979
1-008 - Add core common. JBS 03-DEC-1979
1-009 - Add FSS. JBS 04-DEC-1979

BASSSYS 1-014	K 3 16-Sep-1984 01:16:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:56:41 [BASRTL.SRCJBASSYS.B32:1	Page 2
58 59 60 61 62 63 64 65	0058 1 ! 1-011 - Make "exit with no prompt" exit more quietly, fix a typo in putting into core common, and make ODT submode give an error message, since there isn't time to make it work right for this release. JBS 26-FEB-1980 0061 1 ! 1-012 - Put in small send and receive. All four functions. FM 24-FEB-81. 0062 1 ! 1-013 - LIB\$STOP should be declared EXTERNAL. PL 20-Nov-81 0063 1 ! 1-014 - Call BAS\$\$STOP to signal errors instead of BAS\$\$STOP_IO. PLL 16-Jun-1982 0064 1 !	

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(3)

```
16-Sep-1984 01:16:51
14-Sep-1984 11:56:41
ELSE
    CASE FIRST_BYTE [0] FROM 0 TO 12 OF
              : BASSRCTRLO ((IF (STR_LENGTH GEQ 2) THEN .FIRST_BYTE [1] ELSE 0));
         [0]:
         E1] :
BAS$$STOP (BAS$K_MISSPEFEA);
                                                     ! Enter TAPE mode
         ENABLE CHO ((IF (STR_LENGTH GEQ 2) THEN .FIRST_BYTE [1] ELSE 0));
              : BAS$NOECHO ((IF (STR_LENGTH GEQ 2) THEN .FIRST_BYTE [1] ELSE 0));
         [3] :
         [4] :
                                                     ! ODT submode
              BEGIN
              BAS$$STOP (BAS$K_MISSPEFEA);
BAS$ONECHR ((IF (STR_LENGTH GEQ 2) THEN .FIRST_BYTE [1] ELSE 0));
         [5] :
                                                     ! Exit with no prompt
              SEXIT (CODE = SSS_NORMAL);
         [6]:
BAS$$UUO (RET_STRING, .CODE_STR);
                                                     ! Call file processor
        [7] :
BEGIN
                                                     ! Get core common
              LOCAL
                   STATUS;
              STATUS = LIPSGET_COMMON (RET_STRING);
              IF ( NOT .STATUS) THEN LIB$STOP (.STATUS);
              END:
         [8]:
                                                     ! Put core common
              BEGIN
             LOCAL STATUS,
                   DESC : BLOCK [8, BYTE];
              LEN = STR_LENGTH - 1;
              IF (.LEN GTR 127) THEN LEN = 0;
              DESC [DSC$W_LENGTH] = .LEN;
DESC [DSC$B_DTYPE] = DSC$K_DTYPE_Z;
DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
DESC [DSC$A_POINTER] = FIRST_BYTE [1];
```

```
16-Sep-1984 01:16:51
14-Sep-1984 11:56:41
BAS$5YS
                                                                                                                                                                                                                                                            VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSYS.B32;1
                                                                                                                   STATUS = LIB$PUT_COMMON (DESC);
        IF ( NOT .STATUS) THEN LIB$STOP (.STATUS);
                                                                                                                   END:
                                                                                                       [9] :
                                                                                                                                                                                                              ! Exit and clear program
                                                                                                                   SEXIT (CODE = SSS_NORMAL);
                                                                                                       [10] :
                                                                                                                                                                                                              ! Special implementation
                                                                                                                  BAS$$STOP (BAS$K_MISSPEFEA);
                                                                                                                  : Cancel type ahead BAS$CANTYPAHEAD ((IF (STR_LENGTH GEQ 2) THEN .FIRST_BYTE [1] ELSE 0));
                                                                                                       [12] :
                                                                                                                                                                                                              ! Info on last opened file
                                                                                                                  BAS$$STOP (BAS$K_MISSPEFEA);
                                                                                                       [OUTRANGE] :
                                                                                                                                                                                                              ! Not defined
                                                                                                                  BASSSTOP (BASSK_ILLSYSUSA);
                                                                                STR$COPY_DX (.RESULT_STR, RET_STRING);
STR$FREET_DX (RET_STRING);
                                                                                RETURN;
                                                                                END:
                                                                                                                                                                                                              ! of routine BAS$SYS
                                                                                                                                                                                                                    .TITLE BAS$SYS
                                                                                                                                                                                                                                       LIB$STOP, STR$COPY DX
STR$COPY R, STR$FREE1 DX
STR$CONCAT, LIB$GET COMMON
LIB$PUT COMMON, BAS$$STOP
BAS$RCTRLO, BAS$NOECHO
BAS$ONECHR, BAS$CANTYPAHEAD
BAS$CTRLC, BAS$CHO
BAS$ERT, BAS$CB PUSH
BAS$SCB POP, BAS$STOP IO
BPA$MESAG, BPA$ASSIGN
BPA$DEASSIGN, BPA$DEASS_ALL
BPA$SET DEF, BPA$FSS
BPA$FREE BLOCK, BPA$SET_PRI
BAS$K_ILCIO_CHA
                                                                                                                                                                                                                    .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                    .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                    .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                     .EXTRN
                                                                                                                                                                                                                                          SYSSEXIT
                                                                                                                                                                                                                    .PSECT
                                                                                                                                                                                                                                          _BAS$CODE,NOWRT, SHR,
                                                                                                                                                                                                                                         BAS$SYS, Save R2,R3,R4
BAS$$STOP, R4
#16, SP
                                                                                                                                                                                                                                                                                                                                                                       : 1418
                                                                                                                                                                                                                    .ENTRY
                                                                                                               54 00000000G
5E
                                                                                                                                                                                                                   MOVAB
SUBL 2
```

BRB

BRB

PUSHL PUSHAB

CALLS

DD 9F

000B6 16\$:

0000V CF

CODE STR RET STRING #2, BAS\$\$UUO 29\$

1477

BAS\$SYS 1-014		E 4 16-Sep-1984 01:16:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:56:41 [BASRTL.SRC]BASSYS.B32;1	Page 9 (3)
00000000G	00 08	8 AE 9F 000B8 17\$: PUSHAB RET_STRING 01 FB 000BB CALLS #1, LIB\$GET_COMMON 26 11 000C2 BRB 20\$: 1510
0000007F	50 FF 8F	B AE 9F 000B8 17\$: PUSHAB RET_STRING 01 FB 000BB	1512 1524 1526
02 04	6E AE AE 0100 AE	50 B0 000D3 19\$: MOVW LEN. DESC	1528 1529 1531 1532
0000000G	00 33	01 FB 000E3 CALLS #1, LIB\$PUT_COMMON 50 E8 000EA 20\$: BLBS STATUS, 29\$ 50 DD 000ED PUSHL STATUS	1534
000000006	00	50 DD 000ED PUSHL STATUS 01 FB 000EF CALLS #1, LIB\$STOP 28 11 000F6 21\$: BRB 29\$ 01 DD 000F8 22\$: PUSHL #1	1477 1539
0000000G	00	01 DD 000F8 22\$: PUSHL #1 01 FB 000FA CALLS #1, SYS\$EXIT 1D 11 00101 23\$: BRB 29\$ 53 B1 00103 24\$: CMPW R3, #2	
	02 7E 01	01 FB 000FA	1545
000000006	00		
	7E 000	0G 8F 9A 00119 27\$: MOVZBL #BAS\$K_MISSPEFEA, -(SP) 01 FB 0011D 28\$: CALLS #1, BAS\$\$STOP B AE 9F 00120 29\$: PUSHAB RET STRING	1548 1554
000000006	00 08	01 FB 0011D 28\$: CALLS #1, BA5\$\$STOP B AE 9F 00120 29\$: PUSHAB RET STRING 4 AC DD 00123 PUSHL RESULT STR 02 FB 00126 CALLS #2, STR\$COPY_DX B AE 9F 0012D PUSHAB RET_STRING 01 FB 00130 CALLS #1, STR\$FREE1_DX	1555
0000000G	00	01 FB 00130 CALLS #1, STR\$FREE1_DX 04 00137 RET	1557

; Routine Size: 312 bytes, Routine Base: _BAS\$CODE + 0000

; 307 1558 1

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```
161789012334567890123345678901234565578901234566678901
16161622345678901233456789011166555678901234566678901
                                                     Dispatch on the second byte of the string.
                                                          CASE _FIRQB [FQB$B_FUNCTION] FROM FUN$K_MINUUO TO FUN$K_MAXUUO OF
                                                                  [FUNSK_UUCCT] : BASSCTRLC ();
                                                                                                                                                   ! Control C trap enable
                                                                  [FUN$K_UUERR] :
                                                                                                                                                   : Get error message
                                                                          LOCAL
                                                                                  ERR STRING : BLOCK [8, BYTE], HEADER : BLOCK [8, BYTE];
                                                                         ERR_STRING [DSC$W_LENGTH] = 0;

ERR_STRING [DSC$B_DTYPE] = DSC$K_DTYPE_T;

ERR_STRING [DSC$B_CLASS] = DSC$K_CLASS_D;

ERR_STRING [DSC$A_POINTER] = 0;

BAS$ERT (ERR_STRING, .FIRQB [FQB$B_ERRNUM]);

HEADER [DSC$D_LENGTH] = 2;

HEADER [DSC$B_DTYPE] = DSC$K_DTYPE_BU;

HEADER [DSC$B_CLASS] = DSC$K_CLASS_S;

HEADER [DSC$A_POINTER] = UPLIT (BYTE (0, 0));

STR$CONCAT (RET_STRING, HEADER, ERR_STRING);

STR$FREE1_DX (ERR_STRING);

END;
                                                                 [FUN$K_UUMES1] :
                                                                                                                                                   ! Small message send/receive
                                                                          LITERAL
                                                                                  K_SML_SEND = -1,
K_SML_REMREC = 0,
K_SML_DCLREC_REC = 1,
K_SML_REC = 2;
                                                                          LOCAL
                                                                                 BYTXFR,

ASCII LOGNAM: VECTOR [6, BYTE], ! A buffer to put the translated MOD Home.

RES_STRING: VECTOR [30, BYTE], ! Some place to put the result string temporarily.

MECTOR [20, BYTE]; ! A temp. place to put the message.
      412
                                                     Translate the name passed to ASCII.
      414
                                                                          R50ASC (%REF (6), FIRQB [FQB$T_RCVNAM], ASCII_LOGNAM);
      416
                                                                          IF .ASCII_LOGNAM [O] EQL %C'?' THEN BAS$$STOP_IO (BAS$K_ILLSYSUSA);
                                                     Do each function seperately
                                                                          CASE .FIRQB [FQB$B_SUBFUN] FROM K_SML_SEND TO K_SML_REC OF
```

```
VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASSYS.B32:1
                                 SET
                                [K_SML_SEND] :
                                        CH$MOVE (20, FIRQB [10, B], MESAG);
CH$MOVE (20, MESAG, FIRQB [12, B]); !The
CH$MOVE (6, ASCII_LOGNAM, FIRQB [FQB$T_RCVNAM]);
                                                                                                                                   !The message
                                                                                                                                                   !Logical name
                                         END:
                                [K_SML_REMREC] :
                                                                                                  ! Looks the same, so don't do anything.
                                [K_SML_DCLREC_REC] :
                                        CH$MOVE (6, ASCII_LOGNAM, FIRQB [FQB$T_RCVNAM]);
FIRQB [FQB$W_BMAX] = -1; ! Use temporary mails
FIRQB [FQB$B_ACCESS] = 1; ! Local message.

BPA$MESAG (FIRQB, 0, 0, BYTXFR);
CH$FILL (0, 32, FIRQB [2, B]);
FIRQB [FQB$B_SUBFUN] = K_SME_REC;
                                                                                                                                                   !Logical name
                                                                                                  ! Use temporary mailboxes. ! Local message.
                                         END:
                                [K_SML_REC] :
                                        CH$MOVE (6, ASCII LOGNAM, FIRQB [FQB$T_RCVNAM]); !LofIRQB [FQB$B_SUBFUN] = K_SML_DCLREC_REC;
FIRQB [FQB$W_BMAX] = -1; ! Use temporary mailboxes.
FIRQB [FQB$B_ACCESS] = 1; !Local message.

BPA$MESAG (FIRQB, 0, 0, BYTXFR);
CH$FILL (0, 32, FIRQB [2, B_]);
FIRQB [FQB$B_SUBFUN] = K_SMC_REC;
FIRQB [FQB$B_RMOD] = 1; !Sleep indefinitely
                                                                                                                                                   !Logical name
                                         END:
                                TES:
! Now call BPASMESAG, to do the work.
                        BPASMESAG (FIRQB, 0, 0, BYTXFR);
CHSFILL (0, 30, RES_STRING);
CHSMOVE (20, FIRQB [FQBST_PAR_STR], RES_STRING + 8);
STRSCOPY_R (RET_STRING, %REF (30), RES_STRING);
                        END:
                [FUN$K_UUMES2] :
                                                                                                 ! Large message send/receive
                        GLOBAL REGISTER
                                CCB = K_CCB_REG : REF BLOCK [, BYTE];
                        LCCAL
                                 BUFLEN,
                                                                                                     Length of buffer
                                                                                                     Address of user's buffer
                                 BUFADR.
                                 BYTXFR:
                                                                                                     Number of bytes actually transferred
```

! Set up buffer length, byte count and buffer address based on the SYS()

```
I 4
16-Sep-1984 01:16:51
14-Sep-1984 11:56:41
BASSSYS
1-014
                             string.
   IF (.FIRQB [12, B_] EQL 0)
THEN
                                             BEGIN
                            The buffer is in the string.
                                             CCB = 0:
                                             IF (.CODE_STR [DSC$W_LENGTH] GTR 40)
THEN
                                                 BEGIN
                                                 BUFADR = FIRQB [42, B];
BUFLEN = .CODE_STR [DSC$W_LENGTH] - 40;
                                             ELSE
                                                 BEGIN
                             There is no buffer.
                                                 BUFADR = BUFLEN = 0;
                                                 END
                                       ELSE
                                             BEGIN
                             The buffer is an I/O buffer. The low seven bits of byte 11 are the
                             channel number.
                                            LOCAL CHAN;
                                             CHAN = (.FIRQB [12, B_] AND 127);
                                             IF (.CHAN LEQ O) THEN BAS$$STOP_10 (BAS$K_ILL10_CHA);
                                             BAS$$CB_PUSH (.CHAN, LUB$K_LUN_MIN);
                                             IF ( NOT .CCB [LUB$V_OPENED]) THEN BAS$$STOP_IO (BAS$K_IO_CHANOT);
                                             IF ((.FIRQB [16, W_] + .FIRQB [14, W_]) GTRU .CCB [LUB$W_RBUF_SIZE])
                                             THEN
                                                 BAS$$STOP_IO (BAS$K_ILLBYTCOU);
                                             IF (.FIRQB [14, W_] EQL 0) THEN BAS$$STOP_IO (BAS$K_NO_ROOUSE);
                                             BUFADR = .CCB [LUB$A_RBUF_ADR] + .FIRQB [16, W_];
BUFLEN = .FIRQB [14, W_];
                            Copy the user's parameter string to the FIRQB.
```

```
BASSSYS
1-014
                                                                                                                VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASSYS.B32:1
                                              CH$MOVE (20, FIRQB [22, B_], FIRQB [12, B_]);
    Now do the RSTS/E .MESAG function
                                              BPASMESAG (FIRQB, .BUFLEN, .BUFADR, BYTXFR);
                                 Put things back.
                                              CH$MOVE (20, FIRQB [12, B_], FIRQB [22, B_]);
FIRQB [14, W_] = .BYTXFR;
                                              IF (.CCB NEQA O) THEN BASSSCB_POP ();
                                              STR$COPY_R (RET_STRING, %REF (40), .FIRQB_DESC [DSC$A_POINTER]);
                                         [FUN$K_UUFSS1, FUN$K_UUFSS2] :
                                                                                           ! File string scan
                                            STATUS,
FSB : $FSB_DEF;
                                              STATUS = BPASFSS (FIRQB, FSB, .CODE_STR [DSC$A_POINTER] + 2, .CODE_STR [DSC$W_LENGTH] - 2);
                                              IF ( NOT .STATUS)
                                                   LIB$STOP (.STATUS)
                                              ELSE
                                                   BEGIN
                                                  LOCAL STATUS;
                                                   STATUS = BPASFREE_BLOCK (.FSB [FSBSA_FSA], NAMSC_MAXRSS);
                                                   IF ( NOT .STATUS) THEN LIB$STOP (.STATUS);
                                 Return information to the user from the FIRQB and FSB.
                                                   FIRQB [3, B] = .FIRQB [5, B];
FIRQB [16, Q] = .FIRQB [28, W];
FIRQB [20, W] = .FIRQB [30, W];
FIRQB [28, W] = .FSB [FSB$W_F[AG_1];
FIRQB [30, W] = .FSB [FSB$W_FLAG_2];
STR$COPY_R (RET_STRING, %REF (30), .FIRQB_DESC [DSC$A_POINTER]);
                                                   END:
                                              END:
                                         [FUN$K_UUPRI] :
                                                                                            ! Set priority, etc.
                                 Only priority setting is implemented; all else is ignored.
                                              BEGIN
BPASSET_PRI (FIRQB);
```

61	BAS\$SYS			K 4 16-Sep-1984 01:16:51 VAX-11 Bliss-32 V4.0-742 PA 14-Sep-1984 11:56:41 [BASRTL.SRC]BASSYS.B32;1	age 15
	594 595 596 597 598 600 600 600 600 600 600 600 600 600 60	1844 1844 1844 1844 1844 1851 1855 1855	END; [FUN\$K_UUATR]: BAS\$\$STOP (BAS\$K_MISSPEFEA) [FUN\$K_UUASS]: BEGIN BPA\$ASSIGN (FIRQB): STR\$COPY_DX (RET_STRING, F): END; [FUN\$K_UUDEA]: BEGIN BPA\$DEASSIGN (FIRQB); END; [FUN\$K_UUDAL]: BPA\$DEASS_ALL (); [FUN\$K_UUSDEF]: BEGIN BPA\$SET_DEF (FIRQB); END; [INRANGE]: BAS\$\$STOP (BAS\$K_MISSPEFEA) [OUTRANGE]: BAS\$\$STOP (BAS\$K_ILLSYSUSA) TES; STR\$COPY_DX (.RESULT_STR, RET_STRING); RETURN; END;	! Assign IRQB_DESC); ! Deassign ! Deassign all ! Set default ! Unimplemented ; ! Not defined	
	0229 8F 0214 0209	020	OFFC 000 5A 00000000G 00 9E 000 59 00000000G 00 9E 000 5E FD7C CE 9E 000 48 AE 01020229 8F D0 000 4C AE 52 AE 9E 000 56 08 AC D0 000 50 00 04 B6 52 AE 000 52 AE 000 53 AD 02000000 8F D0 000 60 AD 04 000	DO9 MOVAB BAS\$\$STOP_IO, R9	1607 1610 1611 1612 1615 1620

BAS\$SYS 1-014					16-Sep- 14-Sep-	1984 01:16:51 1984 11:56:41	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSYS.B32;1	Page 16 (4)
	02C9 02C9 0075 02C9 02C9 02C9 02C9 02C9 02C9	02C9 02C9 02C9 02C9 02C9 02C9 02C9 02C9	02C9 02C9 02C9 02C9 02C9 02C9 02C9 02C9	02C9 02C9 02C9 02C9 02C9 02C9 02C9 02C9	00051 00059 00061 00069 00071 00079 00081 00089 00091 00099 000A1 000A9	32\$- 21\$- 32\$- 32\$- 32\$- 32\$- 32\$- 32\$- 32\$- 32		
						32\$- 32\$- 32\$- 32\$- 32\$- 32\$- 32\$- 32\$-		
		0000	7E 0000G 00	00G 8F 0258 00 41	9A 000AF 31 000B3 FB 000B6 2\$:	32\$- 32\$- 32\$- 31\$- 31\$- 8RW 33\$ CALLS #0, E	SK_ILLSYSUSA, -(SP) BASSCTRLC	1872 1624

BAS\$SYS 1-014									1	4 5-Sep- 4-Sep-	1984 01:16: 1984 11:56:	51 VAX-11 Bliss-32 V4.0-742 41 [BASRTL.SRC]BASSYS.B32;1	Page 1
				40	AE 7E	020E0000 54 54	8F AE AE	D0 D4 9A 9F		3\$:		#34471936, ERR_STRING ERR_STRING+4 FIRQB+4, -(SP) ERR_STRING	: 163 : 163 : 163
				00000000G 38 3C	OO AE AE	01020002 FF1A 40 3C F8	8EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	FB 00 9E 9F	00001 00008 000E0		MOVL CLRL MOVZBL PUSHAB CALLS MOVL MOVAB PUSHAB PUSHAB CALLS PUSHAB CALLS	#34471936, ERR_STRING ERR_STRING+4 FIRGB+4, -(SP) ERR_STRING #2, BAS\$ERT #16908290, HEADER P.AAA, HEADER+4 ERR_STRING HEADER RET_STRING #3, STR\$CONCAT ERR_STRING #1. STR\$FREE1 DX	163 164 164
				00000000G		40	AE 01	9F FB 9F FB	000EF 000EF 000F6		PUSHAB CALLS PUSHAB CALLS	RET_STRING #3, STR\$CONCAT ERR_STRING #1, STR\$FREE1_DX 34\$	164
				08	AE	40 5A 08	0212 AE AE 06 AE 03	9F 9F 00 9F	00103 00106 00109	4\$: 5\$:	PUSHAB PUSHAB MOVL PUSHAR	ASCII_LOGNAM FIRQB+6 #6, 8(SP) 8(SP)	162
				0000000G	00 3F 7E	40 006	AE 07	FB 91 12 9A	0011B 0011D		CALLS	#5, RJUASC	166
	0042		001C	FF (7E 69 8F 006C	54	01 AE 0008	FB 8F	00121 00124 0012A	6\$: 7\$:	CASEB .WORD	6\$ #BAS\$K_ILLSYSUSA, -(SP) #1, BAS\$\$STOP_IO FIRQB+4, #-1, #3 8\$-7\$,- 11\$-7\$,- 9\$-7\$,- 10\$-7\$	167
		0C 5C 56	AE AE AE	5A 0C 40	AE AE AE		14 14 06 50 06	28 28 11	00132 00138 0013E 00144 00146	8\$:	MOVC3 MOVC3	10\$-7\$ #20, FIRQB+10, MESAG #20, MESAG, FIRQB+12 #6, ASCII_LOGNAM, FIRQB+6 11\$: 167 : 167 : 167 : 168
		56	AE	40 5E 5D	AE AE AE	04	01	28 AE 90 9F 7C	00146 00140 00150 00154	9\$:	MOVCZ	#6. ASCII_LOGNAM, FIRQB+6 #1. FIRQB+14 #1. FIRQB+13 BYTXFR -(SP) FIRQB #4. BPA\$MESAG #0. (SP), #0, #32, FIRQB+2	; 168 ; 168 ; 168 ; 169
	20		00		6A 6E	5C 52	AE 7E 04 00 AE 02	9F FB 2C	00159 0015C 0015F 00164				169
		56	AE	54 40 54 5E 5D	AE AE AE AE		02 2A 06 01	90 11 28 90	0016A 0016C 00172	10\$:	MOVB BRB MOVC3 MOVB	#2, FIRQB+4 11\$ #6, ASCII_LOGNAM, FIRQB+6 #1, FIRQB+4	169 167 169 169 169 170
				ŚĎ		04 50	O1 AE 7E AE	90 9F 7C 9F	0017A 0017E 00181 00183		MOVC3 MOVB MNEGW MOVB PUSHAB CLRQ PUSHAB	#6, ASCII LOGNAM, FIRQB+6 #1, FIRQB+4 #1, FIRQB+14 #1, FIRQB+13 BYTXFR -(SP) FIRQB #4, BPA\$MESAG #0, (SP), #0, #32, FIRQB+2	170
	20		00		6A 6E		04 00 AE	9F FB 2C	00186 00189 0018E		MOVC5	#4, BPA\$MESAG #0, (SP), #0, #32, FIRQB+2	170
				54	AE	0102 04 50	AE 7E 00 AE AE AE	96 70 9F	00190 00196 00199 0019B	115:	MOVW PUSHAB CLRQ PUSHAB	#258, FIRQB+4 BYTXFR -(SP) FIRQB	170

BAS\$SYS 1-014									16-S 14-S	p-1984 01: p-1984 11:	16:51 56:41	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSYS.B32:1	Page 18
	1E		00		6A 6E		04	FB 0	019E 01A1	CALLS MOVC5	#4:	BPASMESAG (SP), #0, #30, RES_STRING	1712
		28	AE	50	AE	20	AE 14	28 C 9F C 31 C	01A6 01A8 01AE 01B1	MOVC3	#20	FIRQB+12, RES_STRING+8	1713
						5C 0	OF D AE	31 0	0181 0184 129	BRW TSTB	24\$ FIR	QB+12	1714
							17 58	12 0	0184 129 0187 0189 0188	BNEQ	14\$:
					28		00	1B 0	OTBE	BLEQU	(R6 13\$), #40	1739 1741
					57 58 58	7A	58 66 0C AE 628 58	2 L L	01C0 01C4 01C7	BRW TSTB BNEQ CLRL CMPW BLEQU MOVAB MOVZW SUBL2 BRB CLRQ	FIR (R6	QB+42, BUFADR), BUFLEN , BUFLEN	1744 1745
							58	11 0 7C 0	01CA 01CC 139	BRB CLRQ	19\$ BUF	ADR	1741
	52	50	AE		07		54	11 0 EF 0	01CE 01D0 149	BRB EXTZV	BUF 19\$	#7, FIRQB+12, CHAN	1741 1766 1768
					7E 69	006	00 07 8F 01 50	9A 0	01C7 01CA 01CC 139 01CE 01DO 149 01D6 01D6 01D6 01D7 01D7	BRB EXTZV BGTR MOVZB CALLS CLRL	#0 15\$ #BA	S\$K_ILLIO_CHA, -(SP) BAS\$\$STOP_IO	1768
						000000006	50	D4 0	01DF 159	: CLRL	RO BAS	SSCB PUSH	1770
					07 7E 69 50 51	F C 00G	00 AB 8F 01	E8 0	01DF 151 01E1 01E7 01EB 01EF 01F2 161 01FA 01FA 01FA 0205 0205 0205 0206 0211 0215 0215 0216	JSB BLBS MOVZBI CALLS MOVZWI MOVZWI ADDL2 CMPZV BGEQU MOVZBI	-4(#BA	\$\$CB_PUSH CCB), 16\$ S\$K_IO_CHANOT, -(SP) BAS\$\$STOP_IO QB+16, RO QB+14, R1 RO #16, -46(CCB), RO	1772
					50 51 50	60 5E	AE 51 07 8F 07 AE 07	3C 0	01F2 169 01F6 01FA	MOVZWI MOVZWI	FIR	QB+16, R0	1774
	50	02	AB		10		00	ED 0	01FD 0203	CMPZV	175	#16, -46(CCB), RO	
					7E 69	006	8F 01	9A 0	0205 0209	MOVZBI	. "0"	S\$K_ILLBYTCOU, -(SP) BAS\$\$STOP_IO QB+14	1776
						5E	AE 07	B5 0	020C 179	: TSTW BNEQ	FIRE	QB+14	1778
					7E 69	006	8F 01	9A 0	0211 0215	MOVZBI	#BA	S\$K_NO_ROOUSE, -(SP) BAS\$\$STOP_IO	
					7E 69 57	60 EC 5E	AE	3C 0	0218 18 9 0210	: MOVZWI	-20	QB+16, BUFADR (CCB), BUFADR	1780
		50	AE	66	58 AE	5E 08	AE 14	28 0 28 0 9F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0216 0216 0220 0224 022A 022D 022F 0231 0234 0237 0237	: TSTW BNEQ MOVZBI CALLS CALLS MOVZWI ADDL2 MOVZWI PUSHAE PUSHAE CALLS MOVW TSTL BEQL JSB PUSHL	#20	S\$K_NO_ROOUSE, -(SP) BAS\$\$5TOP_IO QB+16, BUFADR (CCB), BUFADR QB+14, BUFLEN , FIRQB+22, FIRQB+12 XFR ADR LEN QB BPA\$MESAG , FIRQB+12, FIRQB+22 XFR, FIRQB+14	1781 1787 1791
							57	DD O	022D	PUSHL	BUF	ADR	1791
					64	50	AE	9F 0	0231	PUSHAE	FIRE	DDASMESAG	
		66	AE	SC SE	AE AE	08	14 AF	28 0 80 0 05 0	0237	MOVE3	#20 BYT	FIRQB+12, FIRQB+22	1795 1796 1798
							5B	D5 0	0242	TSTL	CCB	Arn, Tindotta	1798
						000000000	00 AF	16 0	0246 0240 20 s	JSB PUSHI	BASS	SSCB POP OR DESC+4	1800
				04	AE		28	13 0 16 0 DD 0 DO 0	024F 0253	MOVL BRB	#40	, 4(SP)	: 1000
			7E	04	7E 6E A6		81 81 81 81 81 81 81 81 81 81 81 81 81 8	30 0	0246 0246 208 0246 0253 0255 218 0258	: MOVZWI SUBL2 ADDL3	(R6)	\$\$CB_POP QB_DESC+4 , 4(SP)), -(SP) (SP) 4(R6), -(SP)	1810

BAS\$SYS 1-014			8 5 16-Sep-19 14-Sep-19	84 01:16:51 84 11:56:41	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSYS.B32;1	Page 19 (4)
000	00000G 00 0B	20 AE 50 AE 04 50	9F 00260 9F 00263 FB 00266 E8 0026D DD 00270	PUSHAB FSB PUSHAB FIRQB CALLS #4, BI BLBS STATUS PUSHL STATUS CALLS #1, L	PA\$FSS S. 22\$	1812
000	00000G 00		DD 00270 FB 00272 11 00279	PUSHL STATUS CALLS #1, L BRB 29\$	IB\$STOP	1812
	7E	FF 8F 2C AE	9A 0027B 22\$: DD 0027F	MOVZBL #255. PUSHL FSB+4	-(SP)	1821
000	00000G 00	01 78 FF 8F 2C AE 02 50 50	DD 0027F FB 00282 E8 00289	BLBS STATUS	PASFREE_BLOCK	1823
000	00000G 00 53 AE 60 AE 64 AE 6C AE 6E AE	55 AE 6C AE 6E AE 46 AE 40 AE 78 AD 51	FB 00266 E8 0026D DD 00270 FB 00272 11 00279 9A 00278 DD 0027F FB 00282 E8 00289 DD 00286 FB 0028E 90 00295 B0 0029A B0 0029A B0 0029F B0 002A4 B0 002A4 B0 002A4 B0 002A9 DD 002B1 9F 002B5 9F 002B8 FB 002BB 11 002C2	BRB 29\$ MOVZBL #255, PUSHL FSB+4 CALLS #2, BI BLBS STATUS PUSHL STATUS CALLS #1, L. MOVB FIRQB MOVW FIRQB MOVW FSB+36 MOVW FSB+36 MOVW FSB+36 PUSHAB 4(SP) PUSHAB 4(SP) PUSHAB RET_SS CALLS #3, S BRB 34\$ PUSHAB FIRQB	IB\$STOP +5, FIRQB+3 +28, FIRQB+16 +30, FIRQB+20 4, FIRQB+28 2, FIRQB+30 DESC+4 4(SP)	1828 1829 1830 1831 1832 1833
	6E AE	44 AE	BO 002A9 DD 002AE	MOVW FSB+37	2, FIRQB+30 DESC+4	: 1832 : 1833
	04 AE	04 AE F8 AD	00 002B1 24\$: 9F 002B5 25\$:	MOVL #30, PUSHAB 4(SP)	(SP)	
000	00000G 00	18 AD 03	9F 002B8 FB 002BB 11 002C2	CALLS #3, S	TRING TR\$COPY_R	1620
000	00000G 00	50 AE 01 45	9F 002C4 26\$: FB 002C7 11 002CE	PUSHAB FIRQB CALLS #1, BI BRB 34\$	PA\$SET_PRI	1620
000	00000G 00	50 AE 01 48 AE F8 AD 02 20	11 002CE 9F 002D0 27\$: FB 002D3 9F 002DA 9F 002DD FB 002E0 11 002E7 9F 002E9 28\$: FB 002EC	DIICHAR ETROR		1620 1851 1852
0000	00000G 00	F8 AD	9F 002DD FB 002E0 11 002E7	CALLS #1, BI PUSHAB FIRQB PUSHAB RET_S CALLS #2, S	PA\$ASSIGN _DESC TRING TR\$COPY_DX	
0000	00000G 00	50 AE	9F 002E9 28\$: FB 002EC	CALLS #1, BI	PA\$DEASSIGN	1620 1857
000	00000G 00	26 00 17	11 002F3 29\$: FB 002F5 30\$: 11 002FC	BRB 34\$ CALLS #0, BF BRB 34\$	PA\$DEASS_ALL	1620 1861
000	00000G 00	50 AE 01	9F 002FE 31\$: FB 00301 11 00308	PUSHAB FIRQB	PA\$SET_DEF	1865
000	00000G 7E	00G 8F 01	QA 0030A 328.	BRB 34\$	MISSPEFFA -(SP)	1620 1869
000	00000G 00	F8 AD 04 AC 02 F8 AD	FB 0030E 33\$: 9F 00315 34\$: DD 00318 FB 0031B 9F 00322 FB 00325 04 0032C	CALLS #1, BA PUSHAB RET ST PUSHL RESULT CALLS #2, ST PUSHAB RET ST	ASSSTOP FRING I STR FRSCOPY_DX FRING FRSFREE1_DX	1875
	00000G 00	F8 AD 01	9F 00322 FB 00325	PUSHAB RET ST	TRING TR\$FREE1_DX	1876
				RET		: 1878
; Routine Size: 813 bytes,	Routine Base:	_BAS\$CODE	+ 013A			

: 629 1879 1 END : 630 1880 1 : 631 1881 0 ELUDOM

! of module BAS\$SYS

VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSYS.B32;1

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PSECT SUMMARY

Name

Bytes

Attributes

_BAS\$CODE

1127 NOVEC, NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

0

Library Statistics

File

----- Symbols -----Total Loaded Percent

Pages Mapped Processing Time

9776

13

581

00:01.2

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASSYS/OBJ=OBJ\$:BASSYS MSRC\$:BASSYS/UPDATE=(ENH\$:BASSYS)

Size:

_\$255\$DUA28:[SYSLIB]STARLET.L32:1

1125 code + 2 data bytes 00:25.7 00:58.6 4388 Run Time: Elapsed Time: Lines/CPU Min: Lexemes/CPU-Min: 31558

: Memory Used: 288 pages : Compilation Complete

0032 AH-BT13A-SE

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